

PART IV

ACCEPTABLE TEST PROTOCOLS

ALPHABETICAL BY TEST METHOD,
THEN BY PROTOCOL DATE

Automatic Tank Gauging Method

"Standard Test Procedures for Evaluating Leak Detection Methods: Automatic Tank Gauging **Automatic Systems**", EPA/530/UST-90/006, March 1990

"Test Procedures for Comparison of Different ATG Probes", Ken Wilcox Associates, March 27, 2000

Bulk Field-Constructed Tank Leak Detection Method

"Alternative Test Procedures for Evaluating Leak Detection Methods: Mass-based and Volumetric Leak Detection Systems for Bulk Field-constructed Tanks", Ken Wilcox Associates, November 2000

"Alternative Test Procedures for Evaluating Leak Detection Methods: Evaluation of Bulk Field-constructed Tanks", Ken Wilcox Associates, February 1996 (Evaluations prior to November 2000 only)

"Protocol for Certification of the ASTTest Mass Balance Leak Detection System", ASTTest Systems Inc., May 1997 (Evaluations prior to November 2000 only)

Continuous In-Tank Leak Detection Method

"Evaluation Protocol for Continuous In-Tank Leak Detection Systems", Midwest Research Institute, April 7, 1995

"Evaluation Protocol for Continuous In-Tank Leak Detection Systems", Jairus D. Flora, Jr. Ph.D., January 7, 2000

Large Diameter Pipeline Leak Detector

"Modified Third party Testing Protocol for Large Pipeline Leak Detection", EFA Technologies, Inc., August 1995

"Proposed Protocol for the Performance Evaluation of the MALT and MALTtm Plus", Ken Wilcox Associates, Inc., February 9, 1996

Liquid-Phase Out-of-Tank and Interstitial Product Detectors

"Standard Test Procedures for Evaluating Leak Detection Methods: Liquid-Phase Out-of-Tank Product Detectors", EPA/530/UST-90/009, March 1990

"Development of Procedures to Assess the Performance of External Leak Detection Devices: Liquid-Phase ASTM-Formatted Methods - Revised Draft to Include JP-4 Jet Fuel", Radian Corporation, June 29, 1990

"Test Procedures for Third Party Evaluation Of Leak Detection Methods: Cable Sensor Liquid Contact Leak Detection Systems", Carnegie Mellon Research Institute, November 11, 1991

"Test Procedures for Third Party Evaluation of Leak Detection Methods: Point Sensor Liquid Contact Leak Detection Systems", Carnegie Mellon Research Institute - Advanced Devices and Materials Group, November 11, 1991

"Alternative Test Procedures for Evaluating Leak Detection Methods: Evaluation of Liquid Level Sensors," Ken Wilcox Associates, Inc., September 1996. (Interstitial only.)

Non-Volumetric Tank Tightness Test Method

“Standard Test Procedures for Evaluating Leak Detection Methods: Non-Volumetric Tank Tightness Testing Methods”, EPA/530/UST-90/005, March 1990

Line Tightness Test Method

“Standard Test Procedures for Evaluating Leak Detection Methods: Pipeline Leak Detection Systems”, EPA/530/UST-90/010, September 1990

Pressure/Vacuum Interstitial Monitor

“Alternative Test Procedures for Evaluating Leak Detection Methods: Evaluation of Vacuum Interstitial Monitoring Methods,” Ken Wilcox Associates, Inc., September 1996.

Statistical Inventory Reconciliation Test Method

“Standard Test Procedures for Evaluating Leak Detection Methods: Statistical Inventory Reconciliation Methods”, EPA/530/UST-90/007, June 1990

“Protocol for Determining Applicability of a SIR Method for Manifolded Tanks and Determining Size Limitation”, Developed under coordination by the SIR team of the National Work Group on Leak Detection Evaluations, November 1996

Vapor-Phase Out-of-Tank Product Detector

“Standard Test Procedures for Evaluating Leak Detection Methods: Vapor-Phase Out-of-Tank Product Detectors”, EPA/530/UST-90/008, March 1990

“Development of Procedures to Assess the Performance of External Leak Detection Devices: Vapor-Phase ASTM-Formatted Methods”, Radian Corporation, June 6, 1990

“Development of Procedures to Assess the Performance of External Leak Detection Devices: Vapor-Phase ASTM-Formatted Methods”, Radian Corporation, June 29, 1990

Volumetric Tank Tightness Test Method

“Standard Test Procedures for Evaluating Leak Detection Methods: Volumetric Tank Tightness Testing Methods”, EPA/530/UST-90/004, March 1990

[THIS PAGE INTENTIONALLY LEFT BLANK]